



ISAP 32nd Annual Meeting

2023 Registration Brochure

October 13th, 2023

Hilton Union Square
333 O'Farrell Street
San Francisco, California, USA

777 N Van Buren St, Unit 2705 • Milwaukee, WI 53202
(p) 414-379-8602 • isaphq@isaponline.org • isaponline.org



32nd Annual Meeting Schedule

0815–1800 Pacific Time Zone, USA

0815 – 0830

ISAP Welcome/Announcements

Stuart Forman, MD

0830–1000

Session 1 – Pharmacology

0830 – 0900

End-Tidal Anesthetic Concentration: Monitoring, Interpretation, and Clinical Application

Andre De Wolf, MD, Professor Emeritus, Northwestern University, Evanston, IL, USA

0900 – 0930

Gas Man® for Learning, Teaching, and Studying Inhalation Anesthesia Kinetics

James H. Philip, ME(E), MD, CCE, Anesthesiologist and Director of Clinical Bioengineering, Department of Anesthesiology, Perioperative and Pain Medicine, Brigham and Women's Hospital; Medical Liaison for Anesthesia, Department of Biomedical Engineering, Partners HealthCare System, Professor of Anaesthesia, Harvard Medical School, Boston, MA, USA

0930 – 1000

Kalman Filtering in PKPD Modelling of Anaesthetic Drugs

Samaneh Nasiri, PhD, Harvard Medical School, Boston, MA, USA

1000-1015

Break

1015 – 1145

Session 2 – Anaesthesia and the Environment

1015 – 1045

Low Flow Anesthesia - 100 Years Later

Jeffrey Feldman, MD, MSE, Children's Hospital of Philadelphia, University of Pennsylvania, PA, USA

1045 – 1115

Climate Impact of Volatile Anesthetics: Vital Insights for Anesthetists in the Era of Climate Change

Prof. Alain Kalmar, MD, PhD, Sint-Jan Hospital Brugge-Oostende, Belgium; Ghent University, Belgium

1115 – 1145

Action Guidance for Addressing Pollution from Inhalational Anaesthetics

Jodi Sherman, MD, Yale School of Medicine, New Haven, CT, USA

1145-1300

Luncheon – ISAP Business Meeting

1300 – 1400

Session 3 – Up and Coming Anesthetics & Research

1300-1400

Clinical Effects of Site Concentration Guided Anesthesia

Henrik Öhrström, MD, DESA, Senior Consultant, Department of Anesthesia and Intensive Care, Örebro University Hospital and Lindesbergs Hospital, Sweden

Pether Jildenstaal, PhD, Professor, Senior Consultant, Department of medical Sciences, Lund University, Lund, Sweden, Department of Anaesthesia, Operation and Intensive Care, Sahlgrenska University Hospital, Region Västra Götaland, Gothenburg, Sweden, Department of Anesthesia and Intensive Care, Örebro University Hospital and Lindesbergs Hospital, Sweden

1400 – 1445

Mohamed Naguib Lecture :

General Introduction on the Role of Pro-resolving Mediators (SPMs)

Charles N. Serhan, PhD, DSc, Gelman Professorship Harvard Medical School, Director Center for Experimental Therapeutics and Reperfusion Injury and Professor of Oral Medicine, Infection and Immunity, Brigham and Women's Hospital, Harvard University, Boston, MA, USA

1445-1500

Break

1500– 1630

Moderated Poster Session 90 minutes

1630-1645

Break

1645 – 1730

Keynote Speaker & Lifetime Achievement Awardee

Keynote: Anesthesia, the Eternal Loop Between Physiology and Pharmacology

Albert Dahan, MD, PhD, Full Professor of Anesthesiology, Head of Research, Head of the Anesthesia & Pain Research Unit, Staff Anesthesiologist, Department of Anesthesiology, Leiden University Medical Center, Leiden, The Netherlands

1730 – 1800

Gathering

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University of Virginia Health
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University of Virginia Health
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of Anesthesiology,
Charlottesville, VA, USA

Speakers & Moderators

Albert Dahan, MD, PhD

Full Professor of
Anesthesiology, Head of
Research, Head of the
Anesthesia & Pain Research
Unit, Staff Anesthesiologist,
Department of
Anesthesiology, Leiden
University Medical Center,
Leiden, The Netherlands

Andre De Wolf, MD

Professor Emeritus,
Northwestern University,
Evanston, IL, USA

Jeffrey Feldman, MD, MSE

Children's Hospital of
Philadelphia, University of
Pennsylvania, PA, USA

Pether Jildenstaal, PhD

Professor, Department of
Medical Sciences, Lund
University, Lund, Department
of Anaesthesia, Operation
and Intensive Care,
Sahlgrenska University
Hospital, Gothenburg,
Sweden, Department of
Anesthesia and Intensive
Care, Örebro University
Hospital and Lindesbergs
Hospital, Sweden

Prof. Alain Kalmar, MD, PhD

Sint-Jan Hospital Brugge-
Oostende, Belgium; Ghent
University, Belgium

Samaneh Nasiri, PhD

Harvard Medical School,
Boston, MA, USA

Henrik Öhrström, MD, DESA

Senior Consultant,
Department of Anesthesia
and Intensive Care, Örebro
University Hospital and
Lindesbergs Hospital,
Sweden

James H. Philip, ME(E), MD, CCE

Anesthesiologist and Director
of Clinical Bioengineering,
Department of
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and Pain Medicine, Brigham
and Women's Hospital,
Medical Liaison for
Anesthesia, Department
of Biomedical Engineering,
Partners HealthCare System,
Professor of Anaesthesia,
Harvard Medical School,
Boston, MA, USA

Charles N. Serhan, PhD, DSc

Gelman Professorship
Harvard Medical School,
Director Center for
Experimental Therapeutics
and Reperfusion Injury and
Professor of Oral Medicine,
Infection and Immunity,
Brigham and Women's
Hospital, Harvard University,
Boston, MA, USA

Jodi Sherman, MD

Yale School of Medicine, New
Haven, CT, USA



Mohamed Naguib Lecture

Generous support provided by Senzime Corporation

ISAP has established the Mohamed Naguib Lecture to honor his many accomplishments, which will be presented at every ISAP Annual Meeting. The Inaugural Lecture was given at the 2021 ISAP Annual Meeting. ISAP has established a fund to endow the Mohamed Naguib Lecture and donations may be made at isaponline.org.

In the world of clinical pharmacology, Dr. Naguib was a renaissance man. As a man of many talents, his influential work has provided direction in many spheres of investigation and discovery. He made significant contributions to the scientific foundation and clinical applications of neuromuscular monitoring. He formed and led a coalition of thought leaders to prepare and disseminate expert consensus guidelines on neuromuscular monitoring. He had substantial interest in the mechanisms of and treatment for neuropathic pain. He led a laboratory

that created molecules to treat neuropathic pain. At the time of his passing, he was a principal investigator on a NIH funded multi-center observational study focused on the discovery and validation of a biomarker signature for chemotherapy induced peripheral neuropathic pain. He was the co-founder of a company that is developing a novel therapy for neuropathic pain and Alzheimer's disease based on his research on the mechanisms of neuroinflammation. For each of these activities, he created a wake of opportunities for many that continue to have a vibrant and productive future. He was a prolific writer. He was the principal author or co-author of 130 peer-reviewed journal articles, 25 book chapters (including the premier Miller's Textbook of Anesthesia) and 150 abstracts.

Support the Mohamed Naguib Lecture

Donations can be made online ([click here](#))

ISAP is a 501(c)(3) nonprofit organization which makes donations tax-deductible.

By way of professional service, for years, he served on the editorial board of numerous anesthesia journals and was influential not only in his reviews but in preparing thought provoking editorials and commentary. He also served for many years in various leadership positions, including President of ISAP.

Program Target Audience: This program is designed for an international audience of general anesthesiologists and anesthesiologists with a special interest in clinical pharmacology and technology.

Objectives of the Program: After attending this program you should be able to:

1. Effectively understand the delivery and monitoring of anesthetic agents.
2. Recognize new methods of PKPD modeling including Kalman Filtering.
3. Obtain insight into the effects of inhaled anesthetics on the environment.
4. Explore methods of reducing the environmental impact of anesthetic agents.
5. Appreciate new methods of anesthesia delivery including effect site concentration guided anesthesia and assess the clinical outcomes of these new methods.
6. Learn about the role of pro-resolving mediators (SPMs) in anesthesiology.
7. Recollect on the history of anesthesia and its melding of physiology and pharmacology.

Practice Gaps

- Anesthesiologists require information to understand, assess, and prevent the undesired effects of anesthetic drugs on the environment.
- Learning about monitoring and analytical techniques (such as effect-site concentration guidance, the role of proresolving mediators, and PKPD modelling techniques) help to expand therapeutic and research strategies.
- Understanding the delivery and monitoring of anesthetic delivery including the use of simulation helps to improve anesthetic practice.

Educational Needs

- Providing unbiased assessment and education for clinicians.
- Provide insight into future possibilities for improved clinical performance in anesthetic drug titration.

Satisfactory Completion: Learners must complete an evaluation form to receive a certificate of completion. Your chosen sessions must be attended in their entirety. Partial credit of individual sessions is not available. If you are seeking continuing education credit for a specialty not listed below, it is your responsibility to contact your licensing/certification board to determine course eligibility for your licensing/certification requirement.

Joint Accreditation Statement: In support of improving patient care, this activity has been planned and implemented by Amedco LLC and International Society for Anaesthetic Pharmacology. Amedco LLC is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team

Physicians

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SAVE THE DATE

ISAP 33rd Annual Meeting
October 18, 2024
Philadelphia, PA

